N-E Color FX18

USER MANUAL

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Check that the unit has not been damaged during transport

Protection Against Fire

1. Maintain a minimum of 1 foot distance from any type of flame.
3. Replace fuse only with the specified type and rating.
4. Do Not install the unit to close to a heat source.
5. Make sure cable are properly secured away from unit movement.
6. Maximum surface operating temperature 140°.

Protection Against Fire

1. Disconnect power before servicing.
2. For connection to main power supply proceed to page 5.
3. This unit must be earthed. (electronically grounded)
4. Do not expose unit to rain or moisture.

Protection Against Mechanical Hazards

1. Use safety chain when hanging unit.
2. Use quality clamps or bolts when positioning unit
3. Do not open unit while it is on, risk of electrical shock.

Technical Information

Part Numbers

Fixture

4076-N-E Color FX18

Mechanical Specifications

DMX Connectors: XLR 3 pin in/out

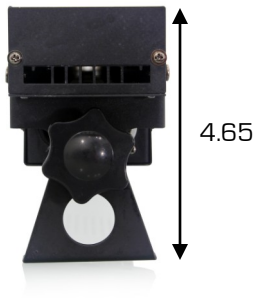
Power Connections: Power Con in/out

Thermal: Maximum ambient temperature 114° C
Maximum surface temperature 140° C

Display: Digital

Fastening System:

Fixture	Packaged for Shipping
Size: 39.5” x 3” x 4.65”	Size: 41.5” X 6.75” X 5.5”
Weight: 8.2 lb	Weight: 11 lb



Electrical Specifications

LED Quantity: 18 x Tri Color

Red: 18 **Green:** 18 **Blue:** 18

LED Watts: 3

LED refresh rate: 4.7k HZ (flicker free)

LED Lifetime: 60,000 to 100,000 hours

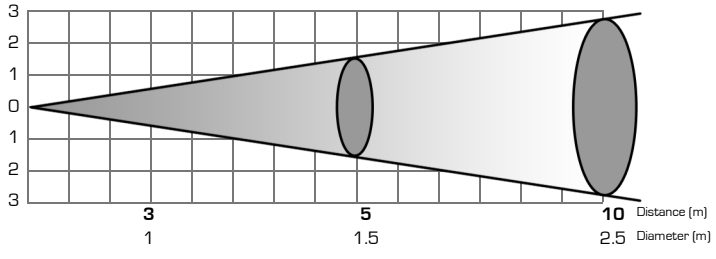
LED Angle: 25°

Power Consumption: Universal 100 - 240V 50/60 Hz

Ballast: Electronic

Watts: 112
Amps: 1.50

R	190	80	20	LUX
G	370	160	40	LUX
B	460	200	50	LUX
RGB	890	380	95	LUX



Control & Programming

Protocol: DMX 512

DMX Channels: 3 Modes of operation Mode A 3 Channel R,G,B
Mode P 6 Channel Dimmer, R,G,B, Strobe, Macro
Mode F 54 Channel R,G,B, x 18

Operating mode: Stand alone

Main Power Connection

Caution!

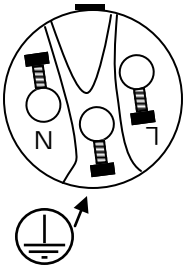
1. Do not connect fixture to a dimmer system.
2. This unit has Auto switching power supply. It will respond to 110V or 240V automatically
3. This unit must be earthed. (electronically grounded)
4. Replace fuse only with the specified type and rating.

The occupation of the connection-cable is as follows:

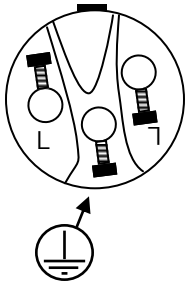
This fixture is equipped with an electronic power supply that will let the unit operate from 100V to 220V from 50Hz to 60Hz

Cable (USA)	Cable (EU)	Pin	110V	220V
Black	Brown	Live	L	L
White	Light Blue	Neutral	N	L
Green	Yellow/Green	Ground	⏚	⏚

110V Connection



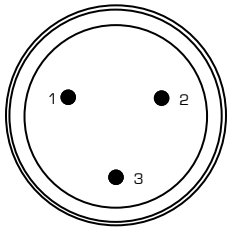
220V Connection



DMX-512 Connection

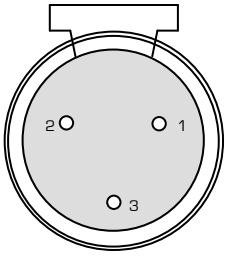
The fixture is equipped with 3 pin XLR Sockets for DMX input and output. The sockets are wired in parallel. Only use a shielded twisted pair cable designed for RS-485 and 3 pin XLR plugs and connectors in order to connect the controller with the fixture or the fixture with another.

DMX—input



1. Shield
2. Signal (-)
3. Signal (+)

DMX—output



Caution!

At the last fixture the DMX signal needs to be terminated with a terminator. Solder a 120 Ohm resistor between the (-) and the (+) signal into a 3 pin XLR plug and plug it in to the last fixture on the signal run. Pre-manufactured terminator plugs are available for purchase from your Mega-Lite dealer (HOS-DMXT).

DMX Profile

N-E Color FX18 Mode A

DMX Chanel	Function	Description	Value
1	LED Color	Red LED intensity	0-255
2	LED Color	Green LED Intensity	0-255
3	LED Color	Blue LED Intensity	0-255

N-E Color FX18 Mode P

DMX Chanel	Function	Description	Value
1	Dimmer	Dimmer Off to Full	0-255
2	LED Color	Red LED intensity	0-255
3	LED Color	Green LED Intensity	0-255
4	LED Color	Blue LED Intensity	0-255
5	Strobe	Strobe (slow to fast)	0-196
		Random Strobe (slow to fast)	197-255
6	Macro	No Function	0-1
		Color Fade Full Bar (slow to fast)	2-19
		Color Snap Full Bar (slow to fast)	20-39
		Random Full Bar (slow to fast)	40-59
		Red Chase Each (slow to fast)	60-79
		Green Chase Each (slow to fast)	80-99
		Blue Chase Each (slow to fast)	100-119
		White Chase Each (slow to fast)	120-139
		Macro Effect 1	140-159
		Macro Effect 2	160-179
		Macro Effect 3	180-199
		Macro Effect 4	200-219
		Macro Effect 5	220-229
		Macro Effect 6	230-249
		Macro Effect 7	250-255

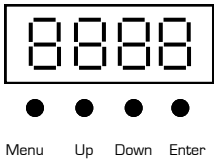
N-E Color FX18 Mode F

DMX Chanel	Function	Description	Value
1	LED Color	Red LED intensity	0-255
2	LED Color	Green LED Intensity	0-255
3	LED Color	Blue LED Intensity	0-255
" "	" "	" "	" "
52	LED Color	Red LED intensity	0-255
53	LED Color	Green LED Intensity	0-255
54	LED Color	Blue LED Intensity	0-255

Main Control Menu

The control board on the fixture base is your interface to access and control all the functions on the unit. Its digital display gives you a code view of the options and functions. The following will explain each function and its options.

CONTROL BOARD



DMX Address	Red Dimmer	Green Dimmer	Blue Dimmer	Flash	Fade Scroll	Flash Scroll	Chase Effect	Chase Speed	Sound Chase	Sound Flash	Sound Sensor
Addr	rL--	GL--	bL--	FLAS	FAdE	ASC-	CE--	CS--	SouA	SouF	SEnS
1-512	0-15	0-15	0-15	0-15	0-15	0-15	0-15	0-15	0-15	0-15	0-15

Addr Mode Setting & DMX Address

Press **Enter** to select the desired mode setting from A,P and H

A001 Mode **A** (3 Channels) R,G,B

P001 Mode **P** (6 Channels) Dimmer, R,G,B, Strobe, Macro

F001 Mode **F** (54 Channels) R,G,B, x 18

Use the **up/down** keys to select the required DMX start channel. Press **Enter** to confirm

rL-- Red Dimmer

This function allows you to dim the red LED's on the whole module. Press Enter use the **up/down** keys to select desired dimmer settings. Press **Enter** to confirm the settings. (15 Steps)

GL-- Green Dimmer

This function allows you to dim the green LED's on the whole module. Press Enter use the **up/down** keys to select desired dimmer settings. Press **Enter** to confirm the settings. (15 Steps)

bL-- Blue Dimmer

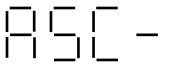
This function allows you to dim the blue LED's on the whole module. Press **Enter** use the **up/down** keys to select desired dimmer settings. Press **Enter** to confirm the settings. (15 Steps)

Flash

This function allows you to strobe the LED's on the whole module in White color. Press **Enter** use the **up/down** keys to select desired flash settings. Press **Enter** to confirm the settings.

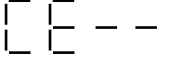
Fade Scroll

This function allows you to fade the LED's on the whole module from one color to another. Press **Enter** use the **up/down** keys to select desired fade speed settings. Press **Enter** to confirm the settings. (15 Steps)



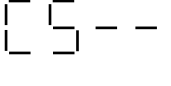
Flash Scroll

This function allows you to change the LED's on the whole module from one color to another. Press **Enter** use the **up/down** keys to select desired color change speed settings. Press **Enter** to confirm the settings. (15 Steps)



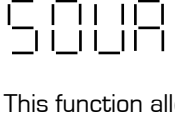
Chase Effect

This function allows you to select different chase patterns on the whole module. Press **Enter** use the **up/down** keys to select desired chase settings. Press **Enter** to confirm the settings.



Chase Speed

This function allows you to select the speed of the chase that was selected on the Chase Effect . Press **Enter** use the **up/down** keys to select desired chase speed settings. Press **Enter** to confirm the settings.

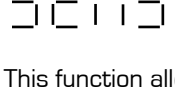


Sound Chase

This function allows you to select the chase pattern that will be triggered via audio. Press **Enter** use the **up/down** keys to select desired Chase settings. Press **Enter** to confirm the settings.

Sound Flash

This function allows you to select the flash pattern that will triggered via audio. Press **Enter** use the **up/down** keys to select desired dimmer settings. Press **Enter** to confirm the settings.



Sound Sensor

This function allows you to select the sensitivity of the audio sensor. Press **Enter** use the **up/down** keys to select desired dimmer settings. Press **Enter** to confirm the settings.

Rigging the fixture

Caution!
1. The installations must be carried out by an authorized dealer or trained professional.
2. Unit may cause severe injures if you have doubts concerning the safety do not install.
3. Unit is to be 24inches away from flammable materials (decoration material)
4. Use high quality installation equipment to hang unit.

When rigging a unit it is very important that you follow common safety procedures. Rigging requires extensive experience including but not limited to calculating working loads, material being used and periodic safety inspections. If you lack these qualifications, do not attempt the installation yourself, instead use a professional structural rigger.

When rigging the unit always be secured with a secondary safety attachment. The installation location of the projector has got to be built in the way that it can hold 10 times the weight for 1 hour with out any harming. Installation should be checked at least one time a year by a skilled person.

Cleaning and maintenance

Installation M**aintenance:** The operator has to make sure that the unit is operating safely and has the installations and electronics checked by an expert every 2 years.

The following points have to be considered during the inspection:
1) All screws used for installing the device or part of the device have to be tightly connected and must not be corroded.
2) There must not be any deformations on the housing, fixation and installation spots (ceiling, suspension, trussing).
3) The electronic power supply cables must not show any damages, material fatigue (e.g. porous cables) or sediments. Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.

Note: There is no serviceable parts inside the device except for the LED's. Maintenance and service operations are to be carried out by authorized dealers.

Replacing the fuse: Only replace the fuse with the same type and rating.

Replacing the power cable: If the power cable of this device becomes damaged, it has to be replaced by authorized dealers or trained professional only.

Should you have further questions , please contact your dealer.

Parts List

3000-TLED	Tri LED Replacement
4076-PCB	Main PCB card
4076-PS	Power Supply
4076-DIS	Display
4076-FH	Fuse Holder
4076-TRILED	Tri Chip LED Module
4076-KNOB	Knob Set

Warranty Information

Warranty Conditions

• Unless otherwise stated in writing, your product is covered by a one year parts and labor limited warranty.

• LEDs are not guaranteed to match in color temperature or output.

• It is the owner's responsibility to furnish receipts or invoices for verification of purchase, date, and reseller or distributor. If purchase date cannot be provided, date of manufacture will be used to determine warranty period.

• GOODS RETURNED UNDER WARRANTY MUST FOLLOW THE PROPER AUTHORIZATION PROCEDURE AND MUST BE ACCOMPANIED BY A COPY OF THE ORIGINAL INVOICE

• Goods repaired under warranty will be returned to the owner with the freight prepaid by MSI via the most economical means of shipment

• REPAIR OR REPLACEMENT AS PROVIDED FOR UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. MEGA SYSTEMS INC. MAKES NO WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO ANY PRODUCT, AND MEGA SYSTEMS SPECIFICALLY DISCLAIMS ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. MEGA SYSTEMS SHALL NOT BE LIABLE FOR ANY INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGE, INCLUDING LOST PROFITS, SUSTAINED OR INCURRED IN CONNECTION WITH ANY PRODUCT OR CAUSED BY PRODUCT DEFECTS OR THE PARTIAL OR TOTAL FAILURE OF ANY PRODUCT REGARDLESS OF THE FORM OF ACTION, WHETHER IN CONTRACT, TORT (INCLUDING NEGLIGENCE), STRICT LIABILITY OR OTHERWISE, AND WHETHER OR NOT SUCH DAMAGE WAS FORESEEN OR UNFORESEEN.

• Warranty is void if the product is misused, damaged, modified in any way, or for unauthorized repairs or parts. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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